

Work Order ID 164289

Monday, July 17, 2017 9:20:49 AM

164289

Page 1

Item ID: D4634-3 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Middle, Center Ceiling Panel
Start Date: 7/21/2017 Start Qty: 3.00 ***3*** Cust Item ID:
Required Date: 8/4/2017 Req'd Qty: 3.00 ***3*** Customer:
Reference:

Approvals: Process Plan: DAS 21 9-33 Date: JUL 17 2017 Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr								
D4634	G								

110 0.00 ***110*** THERMOFORMING MACHINE 3 JUL 19 2017 DAS 13 9-33

Purchasing Memo 0.00
Purchasing ISSUE P/O: 37108
SUPPLIER: PLASTECH

MANUFACTURE D4634-3 AS PER DWG

C OF C IS REQUIRED

140 0.00 ***140*** Receive & Inspect for Damage & Mat'l Certs
HAND FINISHING THERMOFORMING

Packaging Memo 0.00
Packaging 3x Sp A-8-30.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Work Order ID 164289

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Page 2

Item ID: D4634-3 Accept ***N900040100*** Setup Start ***NS1***
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 Start Date: 7/21/2017 Start Qty: 3.00 ***3*** Cust Item ID:
 Required Date: 8/4/2017 Req'd Qty: 3.00 ***3*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
150	QC6- All purchased or subcontracted products	0.00							
150									
QC	Memo	0.00				③	17.08.12		PD.
Quality Control									
170	Identify as per dwg & Stock Location: <u>FG242</u>	0.00				①			Sh 17/09/12
170						②			DAS 07 9-89
Packaging	Memo	0.00							17/09/12
Packaging									
180	QC21- Final Inspection - Work Order Release	0.00							
180									17/9/18
QC	Memo	0.00							
Quality Control									

①

SEP 13 2017

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Monday, July 17, 2017 9:20:52 AM

Page 1

Work Order ID: 164289

164289

Parent Item: D4634-3

D4634-3

Parent Item Name: Middle, Center Ceiling Panel

Start Date: 7/21/2017

Required Date: 8/4/2017

Start Qty: 3.00

Required Qty: 3.00

Comments: IPP Rev. A 12/08/09 New Issue DL
 12/11/08 Document release DL VERIFIED BY:JLM IPP Rev B
 Dwg Update DL verf: DD IPP Rev C 13/07/09
 DL IPP Rev D Dwg Update 13/12/23
 DL IPP REV E Dwg update 14/01/09
 DL IPP Rev F Dwg. update 14/02/03
 DL IPP Rev G Dwg. Update 15/01/27
 DL IPP Rev.H 17.06.13 Now outside process DP
 Verify DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4634-3P		Purchased		No		110	Each	0.0000	1	3			
D4634-3P									**				
Middle, Center Ceiling Panel													
MLEXS.093-F6006-07		Purchased		No		110	sf	1,063.960	17.33	51.99			
MI FXS 093-F6006-07									**				
GE PLASTICS LEXAN SHEET (LIGHT GREY)													

Location	Loc Qty	Loc Code
MAT023	69.56	
m129738	69.56	
RM	994.4	
m135322	194.4	
m135517	800	

3x soft 9-12

51.99

DQA: _____ Date: _____



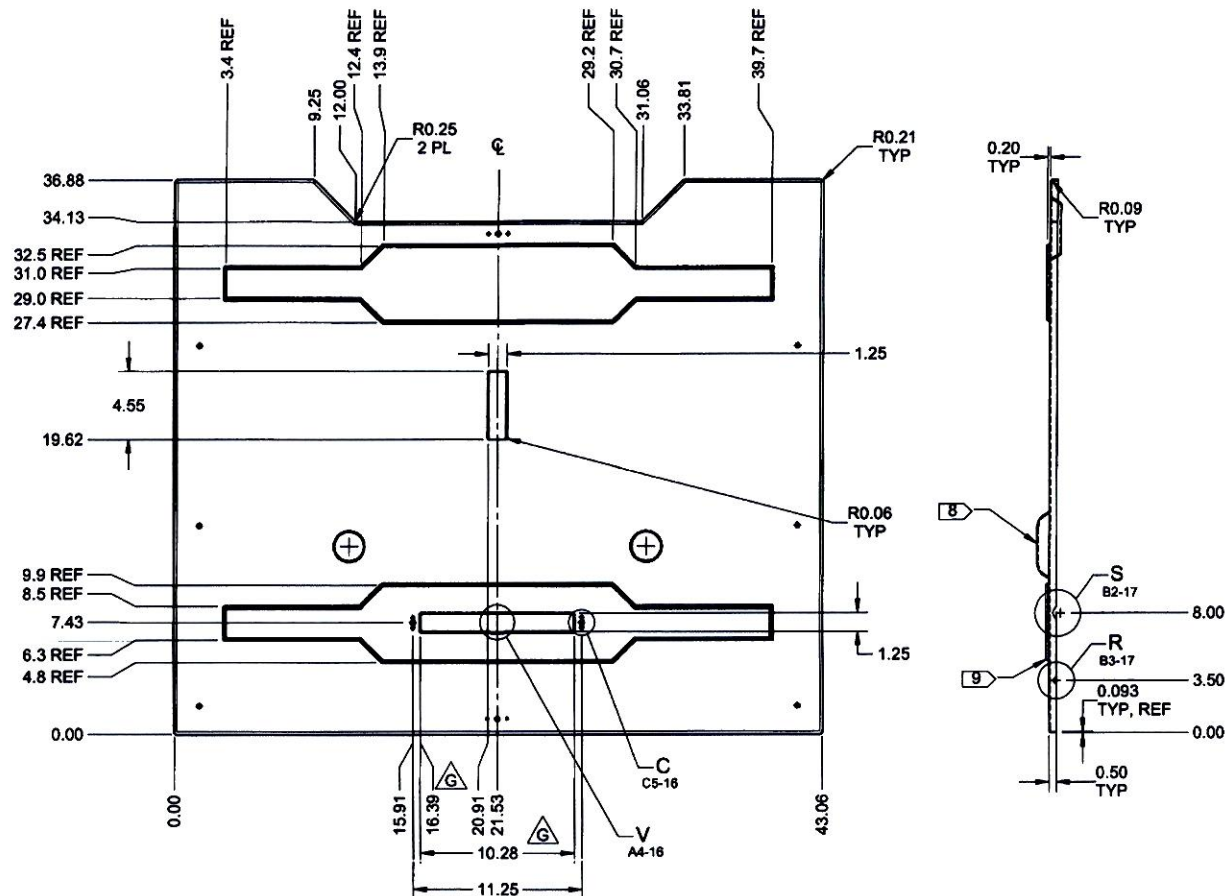
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. *164289 MJS*
120777



NOTES:

- 1) MATERIAL: F6006 SUEDE/POLISHED GY5B133 LIGHT GREY LEXAN SHEET 0.093 THICK (REF DART SPEC MLEXS.093-F6006-07)
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: 6.49 lbs
- 8) TEXTURE ON THIS SIDE
- 9) 0.14 RADIUS NOT SHOWN FOR CLARITY
- 10) DRILL & TRIM D4634-3 PER TOOL DT9837
- 11) THERMOFORM PER QSI 022 USING DT9845 TOOL
MIN. THICKNESS AFTER FORMING:
EDGES = 0.060
ELSEWHERE = 0.070
- 12) LOCATE $\varnothing 2.030$ AT CENTER OF PROTRUDED SURFACE AS SHOWN

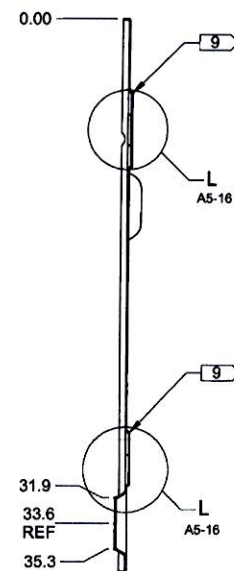
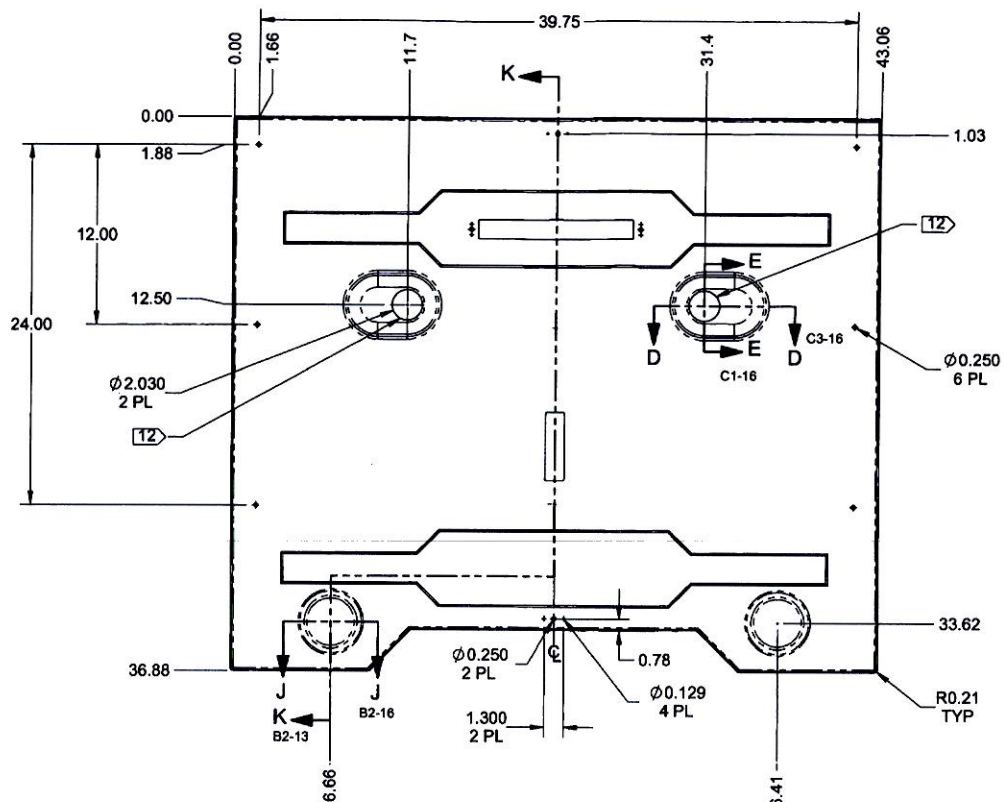
D4634-3 MIDDLE, CENTER CEILING PANEL

RELEASED

2015 JAN 26 *ap*

APPROVED

DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	AK	DRAWING NO.	REV. G
MFG. APPR.	DL	D4634	SHEET 12 OF 17
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	CENTER CEILING PANELS	NTS
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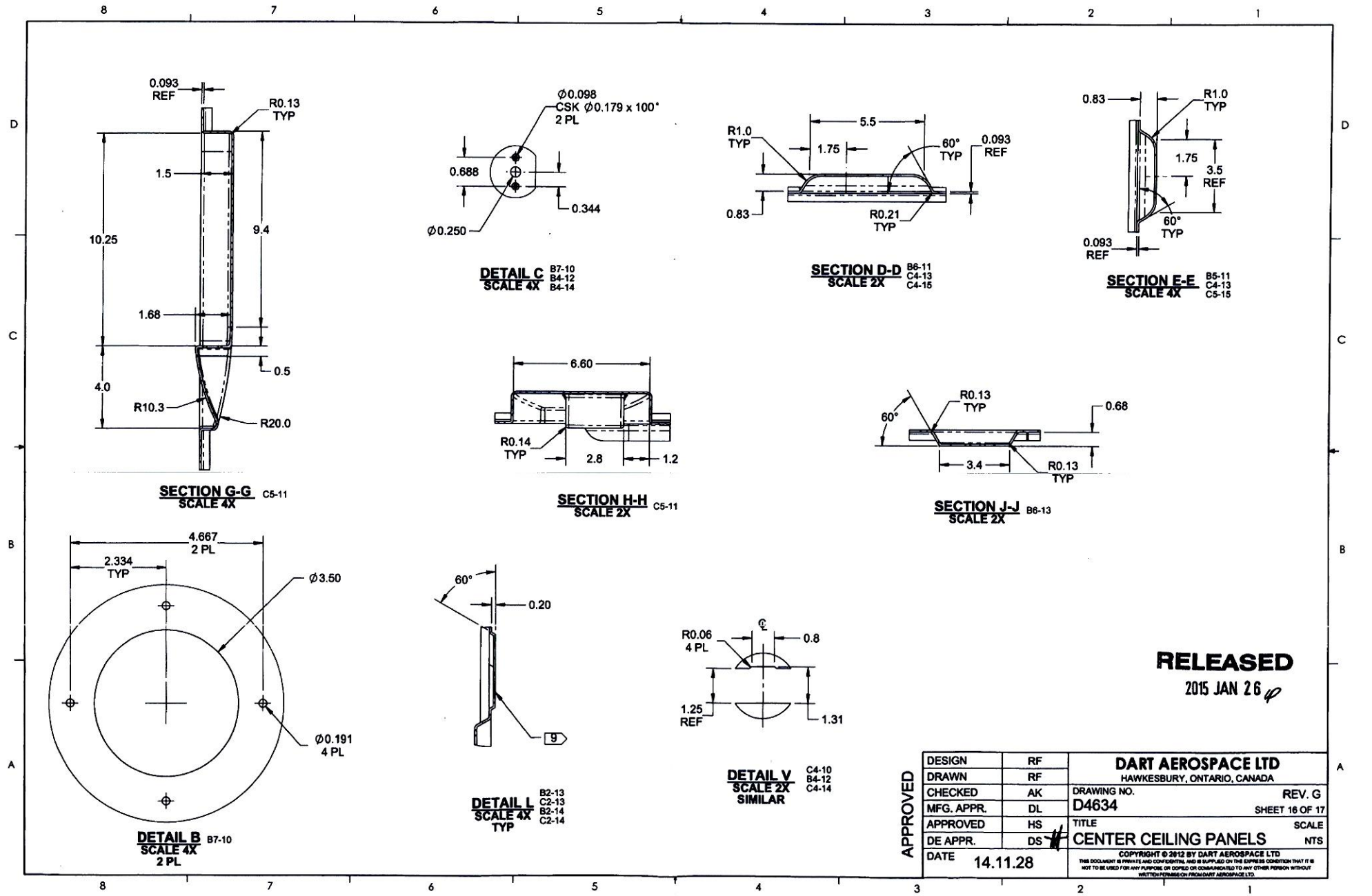
SECTION K-K B6-13

D4634-3 MIDDLE, CENTER CEILING PANEL
AUXILIARY VIEW

RELEASE

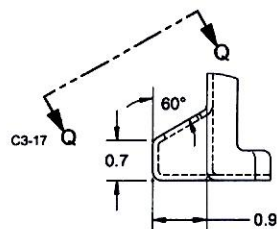
2015 JAN 26 *up*

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	DRAWN	RF		
	CHECKED	AK	DRAWING NO. D4634	REV. G
	MFG. APPR.	DL	SHEET 13 OF 17	
	APPROVED	HS	TITLE	SCALE
	DE APPR.	DS	CENTER CEILING PANELS	NTS
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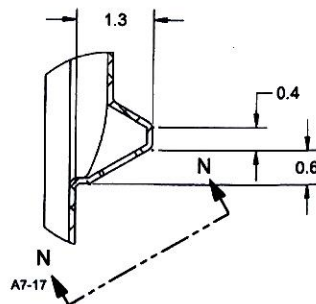


RELEASED
2015 JAN 26

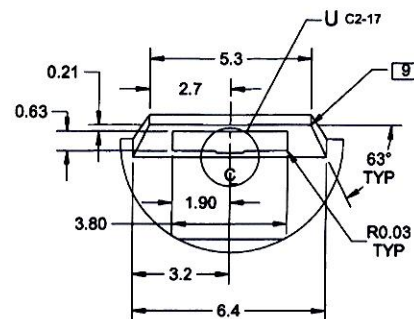
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	DRAWN	RF		
	CHECKED	AK	DRAWING NO.	REV. G
	MFG. APPR.	DL	D4634	SHEET 16 OF 17
	APPROVED	HS	TITLE	SCALE
	DE APPR.	DS	CENTER CEILING PANELS	NTS
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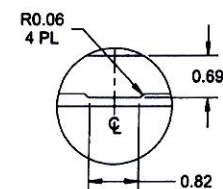
DETAIL P
SCALE 2X B3-14



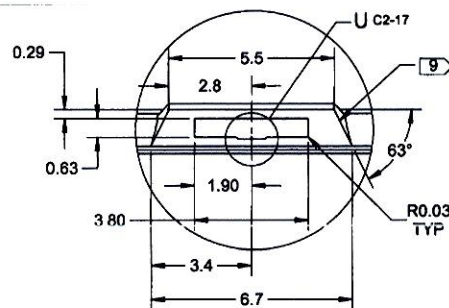
DETAIL M
SCALE 2X C3-10



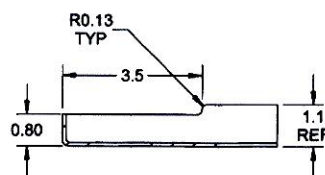
DETAIL Q
SCALE 0.5X B4-15 D8-17



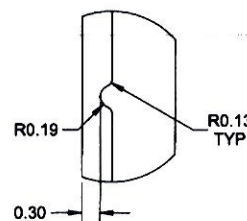
DETAIL U
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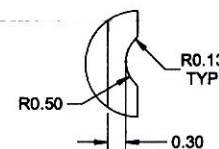
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SCALE 0.5X C5-17 B4-15



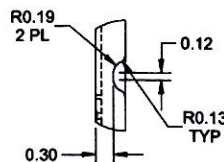
SECTION O-O
SCALE 1.3X B6-14



DETAIL R
SCALE 4X B3-10 C3-10 B2-12



DETAIL S
SCALE 4X B3-10 C2-12



DETAIL T
SCALE 4X C2-14

RELEASED

2015 JAN 26

APPROVED	DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
	DRAWN	RF		
	CHECKED	AK	DRAWING NO. D4634	REV. G
	MFG. APPR.	DL	SHEET 17 OF 17	
	APPROVED	HS	TITLE	SCALE
	DE APPR.	DS	CENTER CEILING PANELS	NTS
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37108**

Purchase Order Date 7/19/2017

PO Print Date 7/19/2017

Page Number 5 of 9

Order From :

VC-PLT01

Ship To : DART AEROSPACE LTD

PLAS-TECH
115 APPLEWOOD CRESCENT
CONCORD, ONTARIO L4K 5C1

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 416-736-0004

Ship To Contact

Ship To Phone

Ship Via:

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Line Total: \$200.00

13	D4634-1P	Fwd, Center Ceiling Panel	7/31/2017	4.00	\$100.00	\$400.00
			Yes	Each		
			7/31/2017			

MANUFACTURE AS PER DWG D4634 REV. G
B164288

Line Total: \$400.00

14	D4634-3P	Middle, Center Ceiling Panel	7/31/2017	3.00	\$100.00	\$300.00
			Yes	Each		
			7/31/2017			

MANUFACTURE AS PER DWG D4634 REV. G
B164289

Line Total: \$300.00

15	D4634-5P	Aft, Center Ceiling Panel	7/31/2017	4.00	\$100.00	\$400.00
			Yes	Each		
			7/31/2017			

MANUFACTURE AS PER DWG D4634 REV. G
B164290

Note:

7/19/2017

Packing Slip



115 Applewood Crescent
Concord, ON, L4K 5C1
PLASTECHONLINE.COM
P- 416 736 0004
F- 416 736 0010

Shipment Number: 24077
Shipment Date: 08/25/2017
BOL Number:
Customer Key: C1887
Salesperson: MIKE AUBE
Page Number: 2 of 2

B DART AEROSPACE LTD.
I 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
L CA
T Attn: ROBERT ABOUD
O Buyer Contact: ROBERT ABOUD

S DART AEROSPACE
H 1270 ABERDEEN STREET
I HAWKESBURY ON K6A 1K7
P CA
T Attn: ROBERT ABOUD
O

Item Number - Revision	Description	Quantity Shipped	UOM
D4634-1P - Rev.: G	FWD, CENTER CEILING PANEL HS Code: 3920.61.1000 - OTHER Country of Origin : CA	4	EA
✓ D4634-3P - Rev.: G	✓ MIDDLE, CENTER CEILING PANEL HS Code: 3920.61.1000 - OTHER Country of Origin : CA	3	EA
D4634-5P - Rev.: G	AFT, CENTER CEILING PANEL HS Code: 3920.61.1000 - OTHER Country of Origin : CA	4	EA
D4635-1 - Rev.: F	FWD CEILING PANEL, LH AS PER DWG D4635 REV. F HS Code: 3920.61.1000 - OTHER Country of Origin : CA	3	EA
D4635-2 - Rev.: F	FWD CEILING PANEL, RH AS PER DWG D4635 REV. F HS Code: 3920.61.1000 - OTHER Country of Origin : CA	3	EA
D4635-3 - Rev.: F	AFT CEILING PANEL, LH AS PER DWG D4635 REV. F HS Code: 3920.61.1000 - OTHER Country of Origin : CA	3	EA
D4635-4 - Rev.: F	AFT CEILING PANEL, RH AS PER DWG D4635 REV. F HS Code: 3920.61.1000 - OTHER Country of Origin : CA	3	EA

Number of Containers

Gross Weight

Shipped By